

ISSUED FOR CONSTRUCTION DOCUMENTS (FINAL BD)	11/26/13
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CONSULTANTS:

ARCHITECT/ENGINEERS:

EPSTEIN
600 West Fulton Street
Chicago, Illinois 60661

Drawing Title
**MECHANICAL ROOM
ELECTRICAL PLAN**

Project Title
**REPLACEMENT OF AHU AC-30
IN BUILDING 11A**

Project Number
537-10-122
Building Number
BUILDING 11A

Approved Project Director

Location
820 S. DAMEN AVE CHICAGO, IL 60612
Date
11/26/2013

Checked
PD

Drawn
JF

Drawing Number
11A-E-101
Dwg 10 of 10

Office of
**Construction
and Facilities
Management**



FULLY SPRINKLERED

Scale: 1/2"=1'-0"

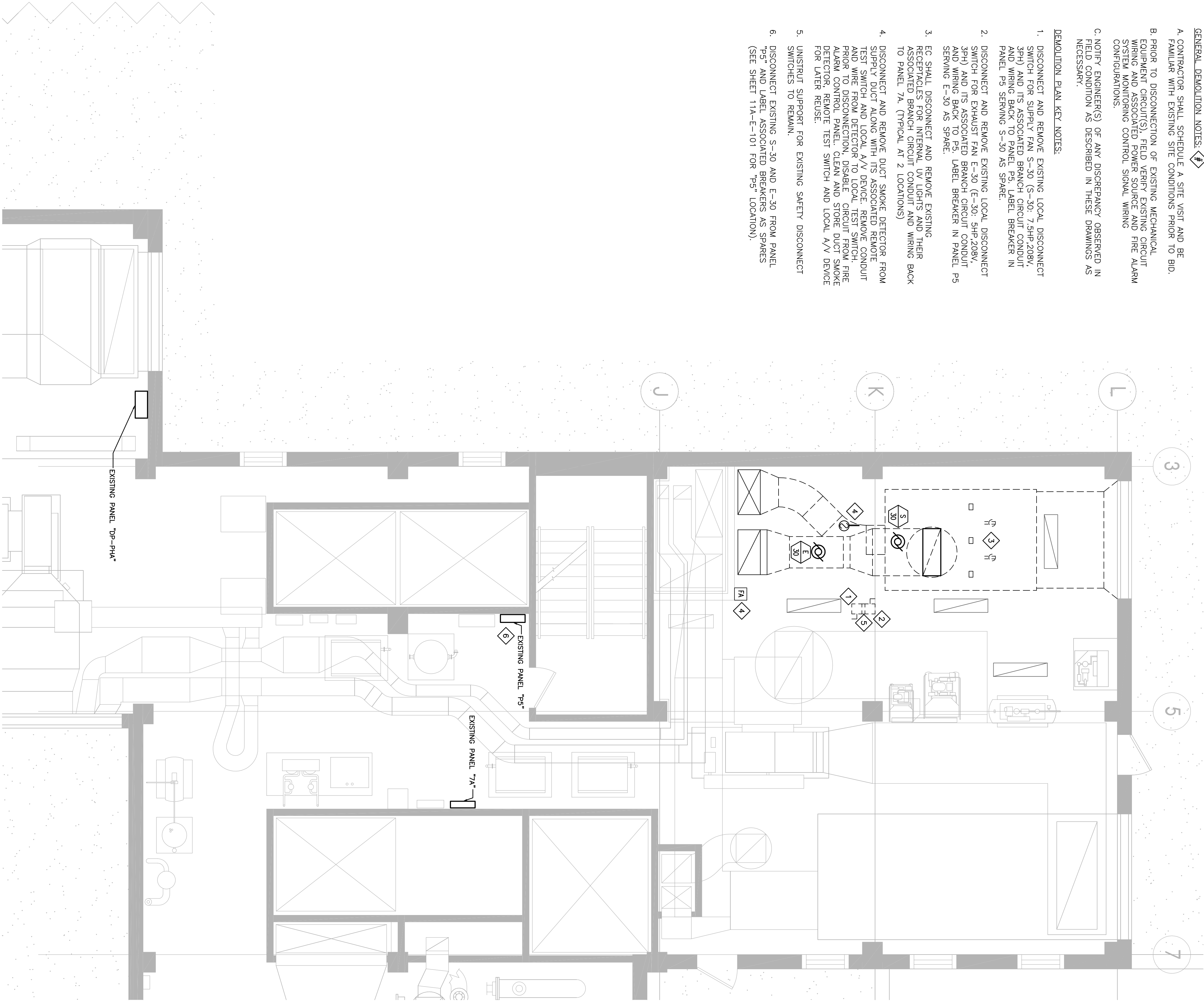
2 ELECTRICAL DEMOLITION PLAN
1/4" = 1'-0"



1 ELECTRICAL PLAN
1/4" = 1'-0"



- GENERAL DEMOLITION NOTES:**
1. CONTRACTOR SHALL SCHEDULE A SITE VISIT AND BE FAMILIAR WITH EXISTING SITE CONDITIONS PRIOR TO BID.
 2. PRIOR TO DISCONNECTION OF EXISTING MECHANICAL EQUIPMENT, THE CONTRACTOR SHALL VERIFY THE LOCATION AND WIRING OF ALL EXISTING ELECTRICAL EQUIPMENT, WIRING AND ASSOCIATED POWER SOURCE AND FIRE ALARM SYSTEM MONITORING CONTROL SIGNAL WIRING CONFIGURATIONS.
 3. NOTIFY ENGINEER(S) OF ANY DISCREPANCY OBSERVED IN FIELD CONDITION AS DESCRIBED IN THESE DRAWINGS AS NECESSARY.
- DEMOLITION PLAN KEY NOTES:**
1. DISCONNECT AND REMOVE EXISTING LOCAL DISCONNECT SWITCH FOR SUPPLY FAN S-30 (S-30: 7.5HP/208V, 3PH) AND ITS ASSOCIATED BRANCH CIRCUIT CONDUIT AND WIRING FROM EXHAUST FAN RE-30 AS SPARE.
 2. DISCONNECT AND REMOVE EXISTING LOCAL DISCONNECT SWITCH FOR EXHAUST FAN E-30 (E-30: 5HP/208V, 3PH) AND ITS ASSOCIATED BRANCH CIRCUIT CONDUIT AND WIRING BACK TO P5. LABEL BREAKER IN PANEL P5 SERVING E-30 AS SPARE.
 3. EC SHALL DISCONNECT AND REMOVE EXISTING RECEPTACLES FOR INTERNAL UV LIGHTS AND THEIR ASSOCIATED BRANCH CIRCUIT CONDUIT AND WIRING BACK TO PANEL 7A. (TYPICAL AT 2 LOCATIONS)
 4. DISCONNECT AND REMOVE DUCT SMOKE DETECTOR FROM SUPPLY FAN S-30 AND EXHAUST FAN E-30. REMOVE DUCT AND WIRE FROM DETECTOR TO LOCAL TEST SWITCH. PRIOR TO DISCONNECTION, DISABLE CIRCUIT FROM FIRE ALARM CONTROL PANEL, CLEAN AND STORE DUCT SMOKE DETECTOR IN THE FACP. TEST SWITCH AND LOCAL A/V DEVICE FOR LATER REUSE.
 5. UNINSTALL SUPPORT FOR EXISTING SAFETY DISCONNECT SWITCHES TO REMAIN.
 6. DISCONNECT EXISTING S-30 AND E-30 FROM PANEL P5 AND LABEL ASSOCIATED BREAKERS AS SPARES (SEE SHEET 11A-E-101 FOR P5 LOCATION).



- ELECTRICAL PLAN KEY NOTES:**
1. MOUNT 'WFD SF-30' TO EXISTING UNISTRUT SUPPORT (PROVIDE ADDITIONAL REINFORCEMENT AS REQUIRED). LABEL 'WFD SF-30' WITH NEW EQUIPMENT TAG.
 2. MOUNT 'WFD EF-30' TO THE EXISTING UNISTRUT SUPPORT (PROVIDE ADDITIONAL REINFORCEMENT AS REQUIRED). LABEL 'WFD EF-30' WITH NEW EQUIPMENT TAG.
 3. PROVIDE POWER FROM EXISTING 30A/4P CIRCUIT MAKE FINAL EQUIPMENT CONNECTIONS TO NEW SUPPLY FAN 'SF-30' AS INDICATED. RE-LABEL BREAKER AND UPDATE PANEL DIRECTORY WITH NEW EQUIPMENT TAG.
 4. PROVIDE POWER FROM EXISTING 15A/4P CIRCUIT BREAKER IN DP-PHA VIA NEW 'WFD RF-30' AND MAKE FINAL EQUIPMENT CONNECTIONS TO NEW EXHAUST FAN 'RF-30' AS INDICATED. RE-LABEL EQUIPMENT TAG.
 5. INSTALL REMOVED DUCT SMOKE DETECTOR. REMOVE EXISTING WIRING FROM DETECTOR TO LOCAL TEST SWITCH AND MAKE ALL INTERFACE WIRING CONNECTIONS TO EXISTING FACP. UPDATE EQUIPMENT LABEL IN THE FACP. EC TO COORDINATE ALL FACP CONNECTIONS AND LABELING WITH THE FACILITY ENGINEER.
 6. EC TO PROVIDE NEW BRANCH CIRCUIT WIRING AND CONDUIT FROM EXHAUST FAN 'WFD EF-30' TO WFD BREAKER IN PANEL 7A TO 'GPS 1-BAR' UV LIGHTS. EC TO MAKE FINAL CONNECTIONS TO 'GPS 1-BAR' SYSTEM USING 2#12, 1#12 GND IN 3/4" RSC/MC CONDUIT.
 7. WHERE NEW EQUIPMENT OR FITTINGS INTERFERE WITH EXISTING LIGHTING FIXTURES, EC SHALL REMOVE. AFFECTED AREAS AS REQUIRED IN ORDER TO ENSURE ADEQUATE LIGHTING IN THE SPACE. COORDINATE WITH OWNER BEFORE RE-INSTALLING EXISTING FIXTURES FOR ANY NEW FUTURE/LIGHTING CONTROL REQUIREMENTS.
 8. PROVIDE (1) 20A DUPLEX CONVENIENCE OUTLET POWERED FROM A NEW 20A/1P CIRCUIT BREAKER IN PANEL 7A.
 9. PROVIDE NEW DUCT SMOKE DETECTOR. REMOVE TEST SWITCH AND LOCAL A/V DEVICE AND MAKE ALL INTERFACE WIRING CONNECTIONS TO EXISTING FACP. UPDATE EQUIPMENT LABEL IN THE FACP. EC TO COORDINATE ALL FACP CONNECTIONS AND LABELING WITH THE FACILITY ENGINEER.

